



Attorney's Docket No.: 42P17030

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application for:

**Zhong-Ning Cai, et al.**

Application No.: 10/611,619

Filed: June 30, 2003

For: **APPARATUS AND METHOD FOR AN  
ADAPTIVE MULTIPLE LINE  
PREFETCHER**

Examiner: Patel, Kaushikkumar M.

Art Group: 2188

**DECLARATION PURSUANT TO 37 C.F.R. §1.131**

Mail Stop Amendment  
Commissioner for Patents  
P. O. 1450  
Alexandria, VA 22313-1450

Dear Sir:

I, William G. Auld, hereby declare that:

1. I am a citizen of the United States of America.
2. I currently reside at 16823 NW Waterford Way, Portland, Oregon 97229..
3. I am currently an employee of Intel Corporation in Santa Clara, California.
4. I have been an employee of Intel Corporation since March 22, 1991.
5. My current title at Intel Corporation is Performance Architect, Principal Engineer.
6. I am a co-inventor of the above-identified patent application.

7. I have reviewed the 2004/0148470 patent application publication of Jurgen Schulz (“Schulz”), which was filed on January 29, 2003. The Examiner cited Schulz against the claims of the above-identified application.

8. The invention disclosed and claimed in the above-identified patent application was conceived in the United States of America at least as early as January 19, 2003, as evidenced by the document “CFB Second Sector Prefetch” (a copy of which is attached herein). This document was reduced to writing internally within Intel Corporation at least as early as the date on the document; i.e., January 19, 2003. This document demonstrates conception of the claimed invention of the instant application and was prepared under my direction based on my original work. Intel Corporation Invention Disclosing having ID #30489 (a copy of which is attached herein) was prepared under my direction based on the “CFB Second Sector Prefetch” document at least as early as the date on the document; i.e., February 10, 2003. Between at least January 2003 and its constructive reduction to practice by the filing of the above-captioned patent application on June 30, 2003, I directed simulations and various testing in a diligent effort to reduce the invention to practice. Therefore, the conception and diligence towards reduction to practice of the invention disclosed and claimed in the above-identified patent application occurred prior to the filing date of Schulz.

9. The documents provided herewith are confidential. It is Intel Corporation’s practice to maintain in secrecy all confidential documents. I believe that the documents have at all times prior to the filing date of the above-captioned application been maintained in a confidential manner.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States

Code, and that such willful false statements may jeopardize the validity of the above-identified application or any patent issued thereon.

Respectfully submitted,

Dated: July 27, \_\_\_\_\_, 2006



William G. Auld

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